

Figure X

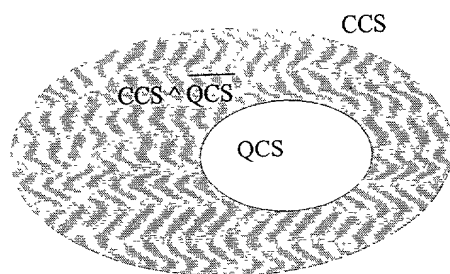


Figure 1: MEGA's Sampling Space: $CCS \wedge \overline{QCS}$.

10032349-136404

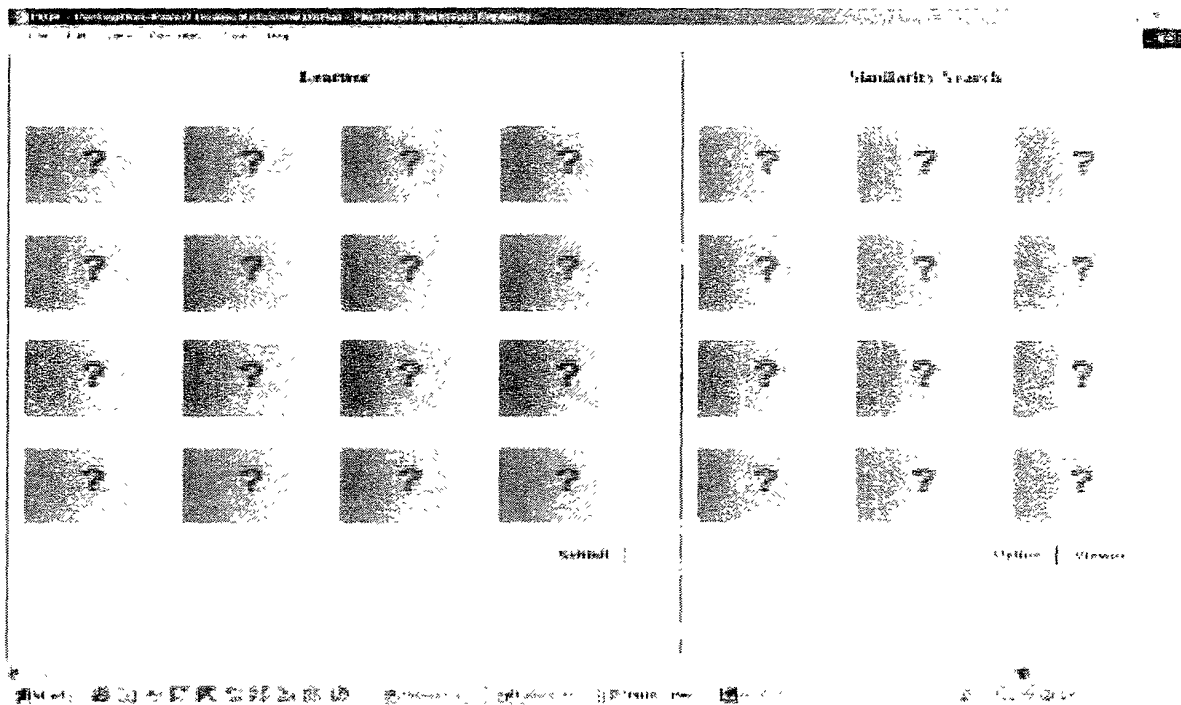


Figure 1: Wild Animal Query Screen #1.

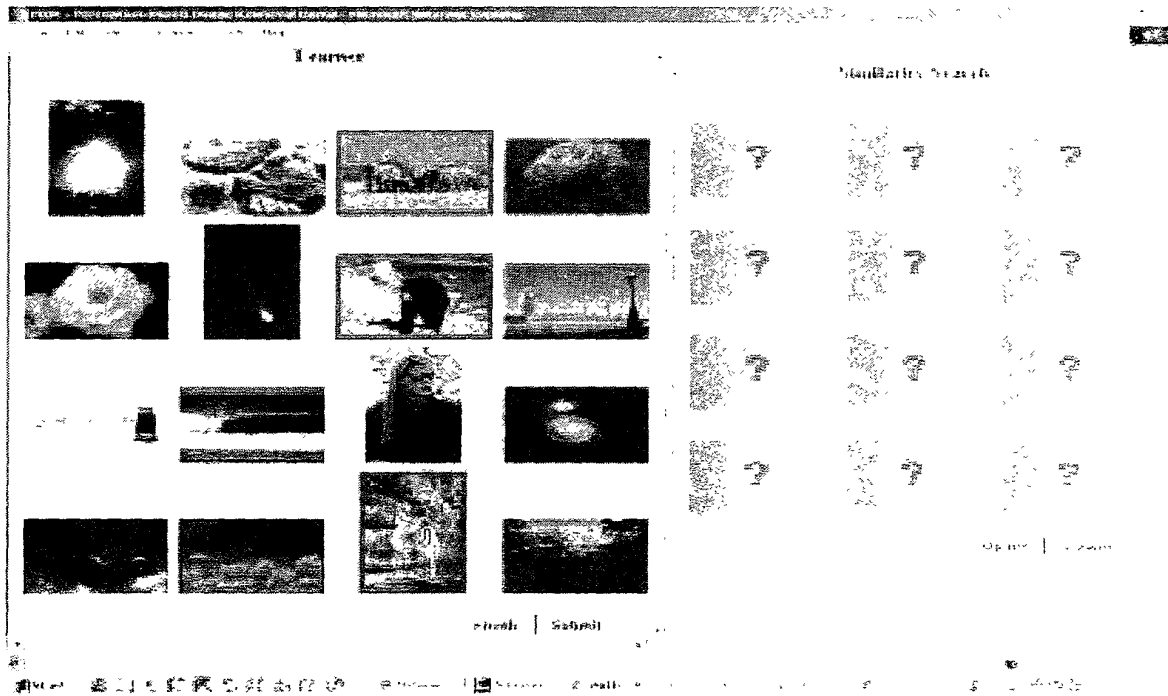


Figure 2: Wild Animal Query Screen #2.

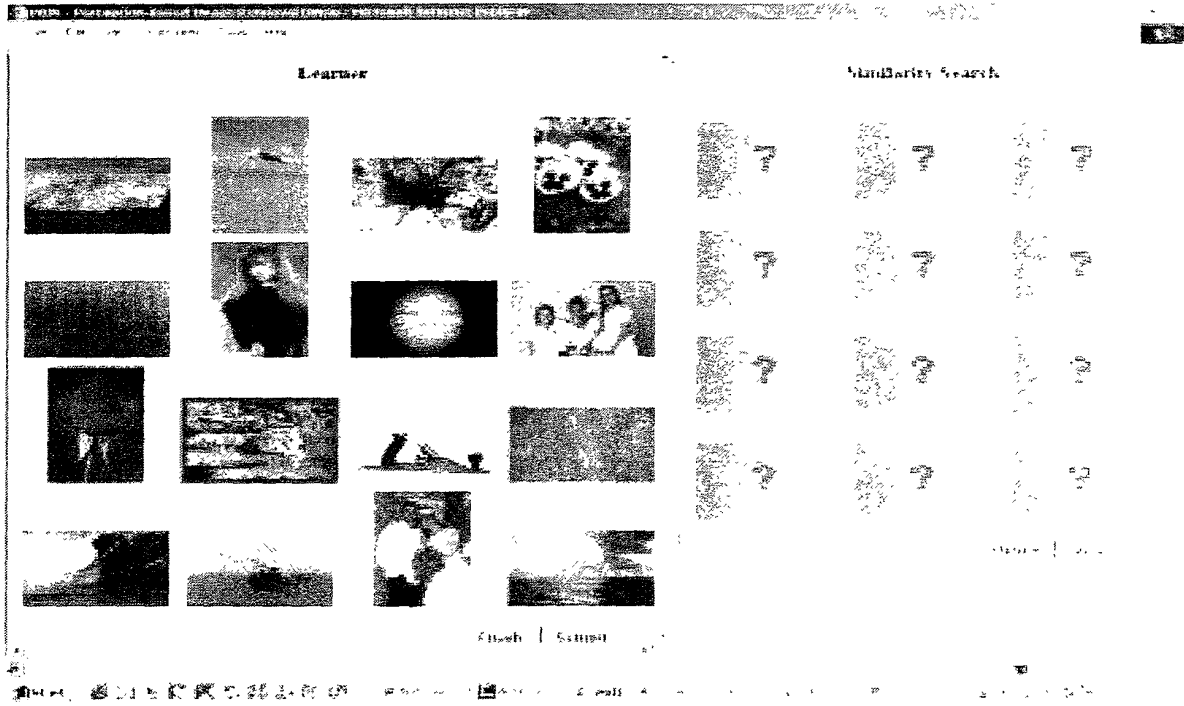


Figure 3: Wild Animal Query Screen #3.

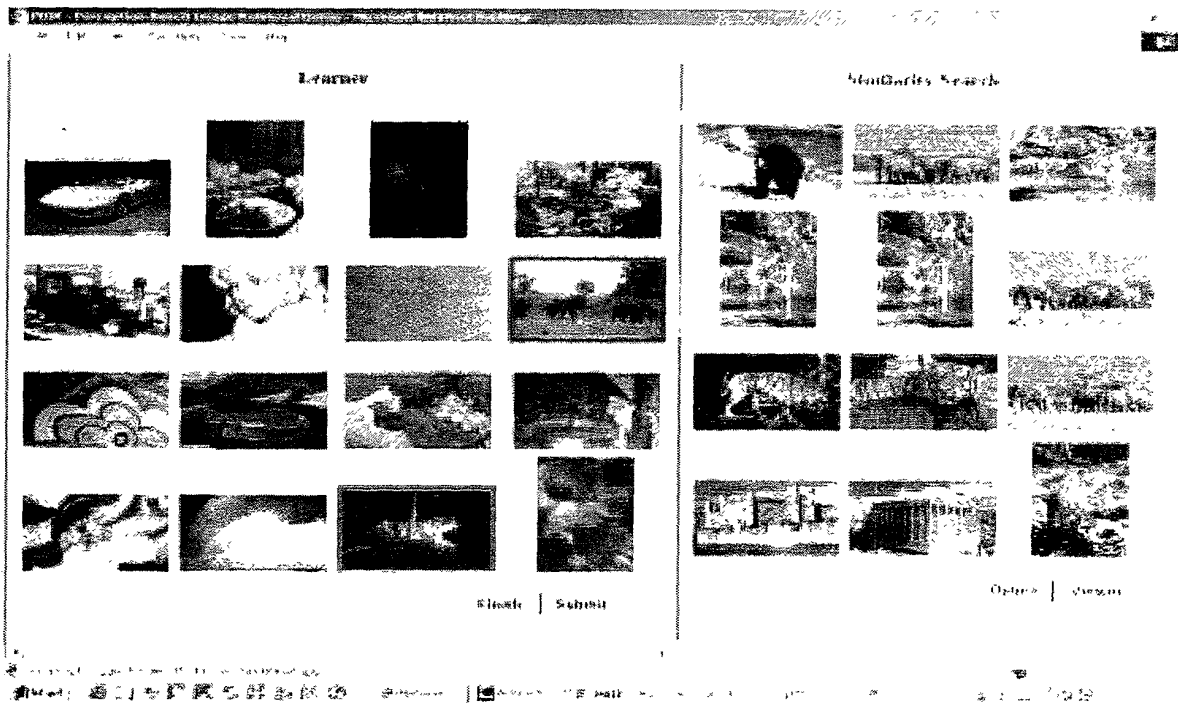


Figure 4: Wild Animal Query Screen #4.

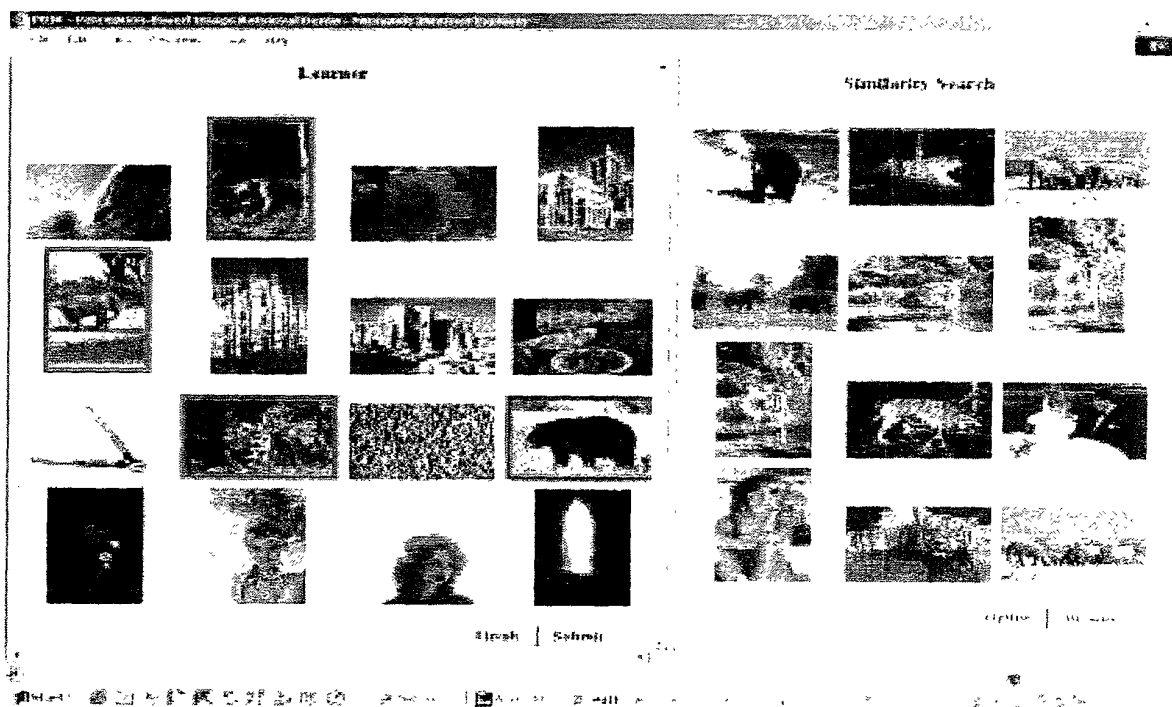


Figure 5: Wild Animal Query Screen #5.

10032319 422101

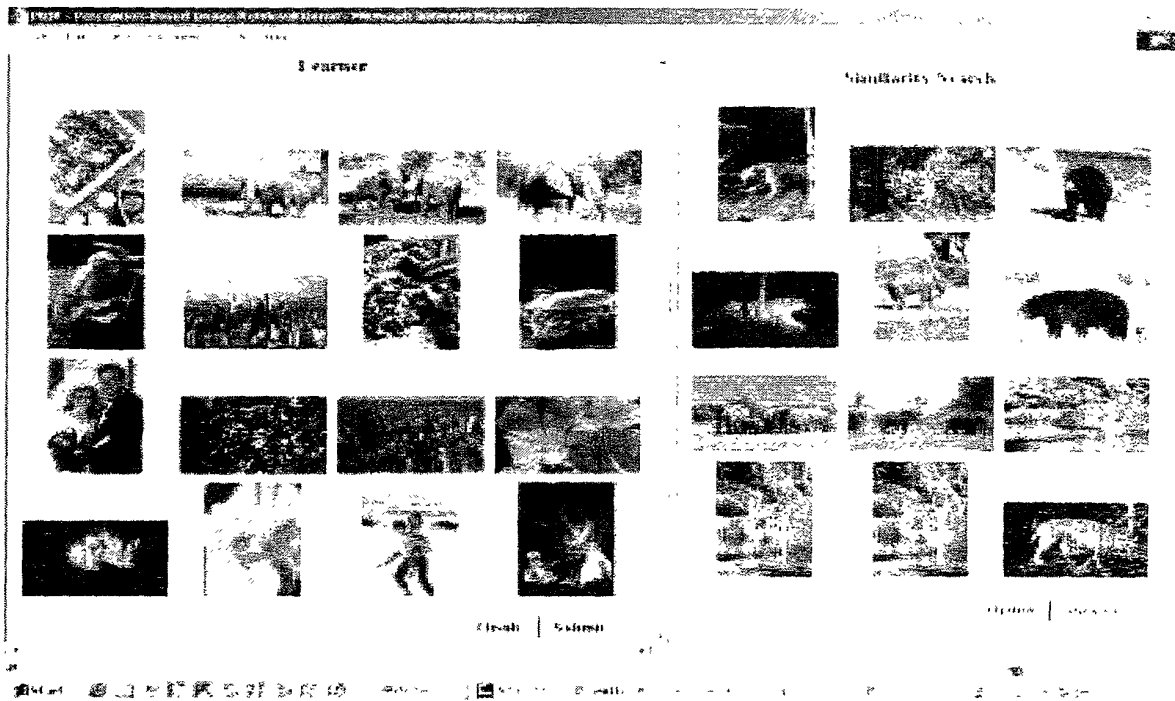


Figure 6: Wild Animal Query Screen #6.

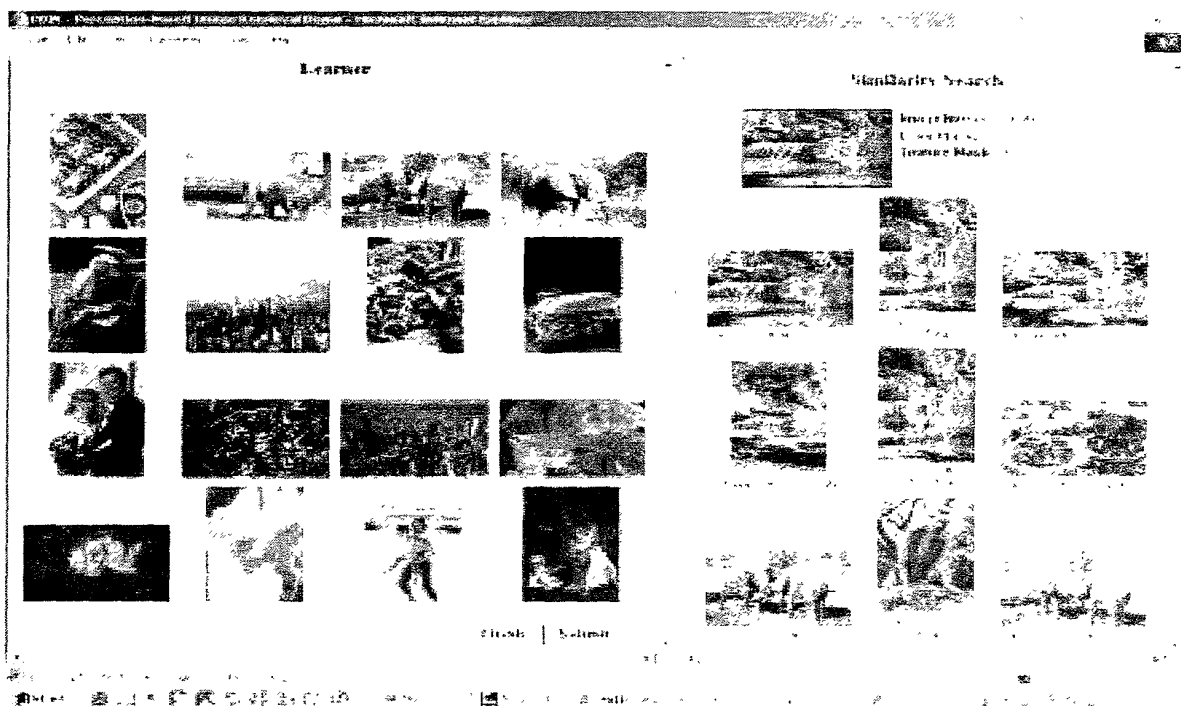


Figure 7: Wild Animal Similarity Query (Screen #7).

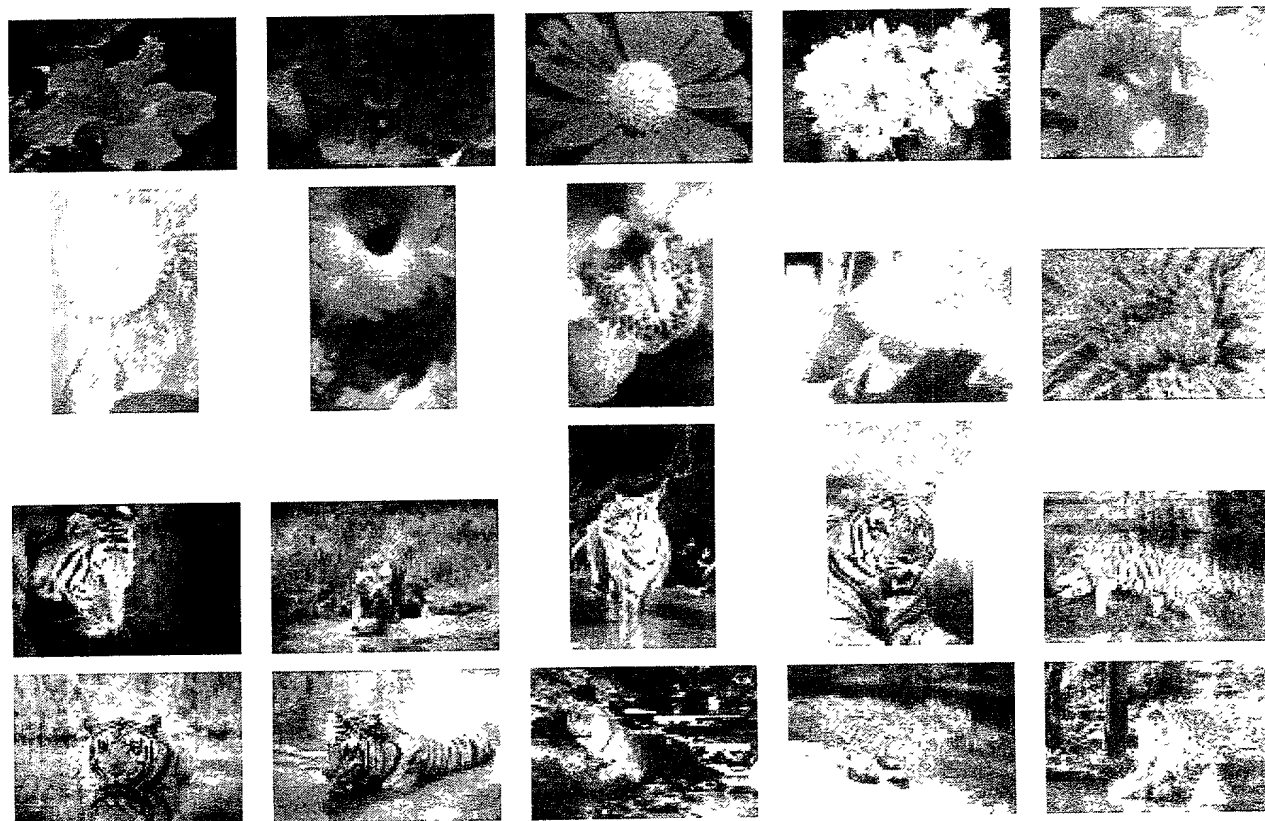
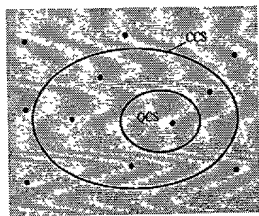
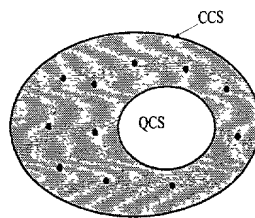


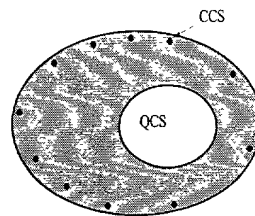
Figure 8: Flowers and Tigers Sample Query Results from SVM_{Active} .



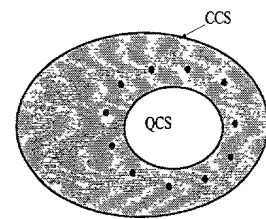
(a) Random



(b) B-Random

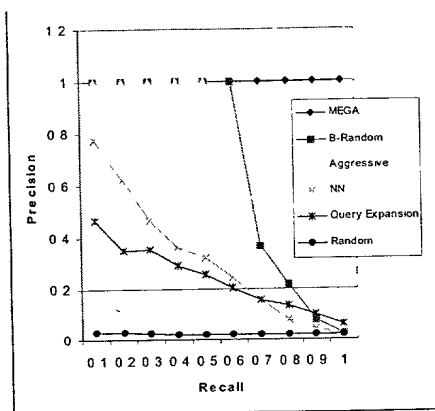


(c) Aggressive

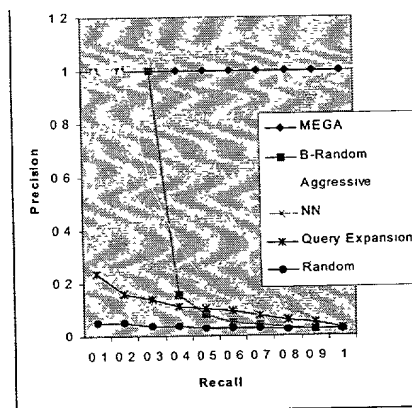


(d) MEGA

Figure 4: Sampling Schemes.

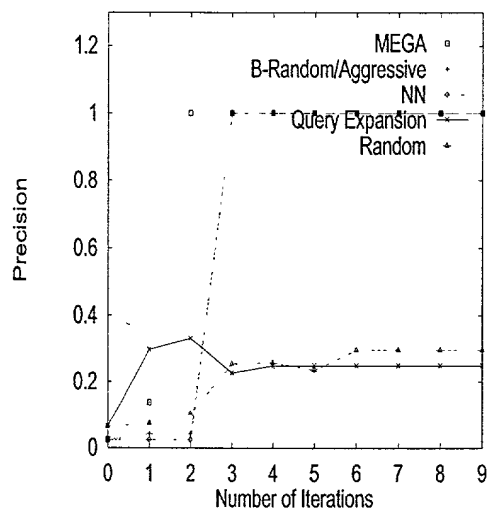


(a) $(P_1 \vee P_2) \wedge P_3$

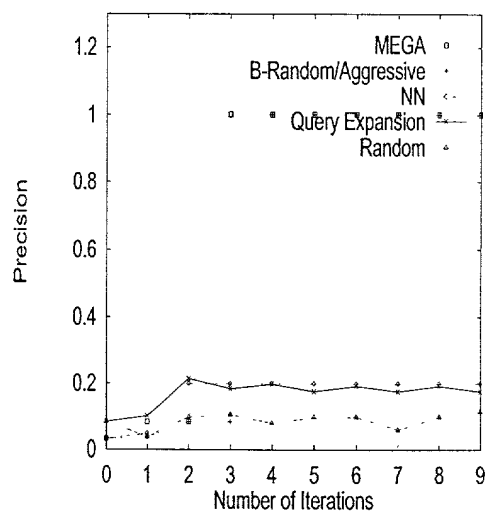


(b) Complex

Figure 5: Precision vs. Recall (10 Features).

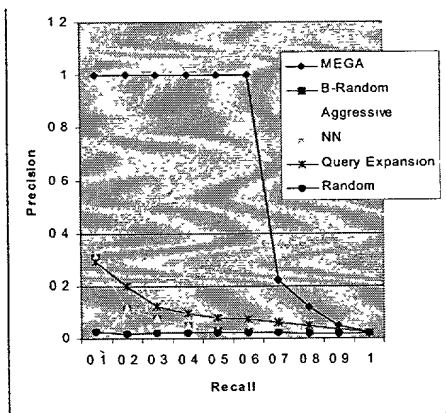


(a) $(P_1 \vee P_2) \wedge P_3$

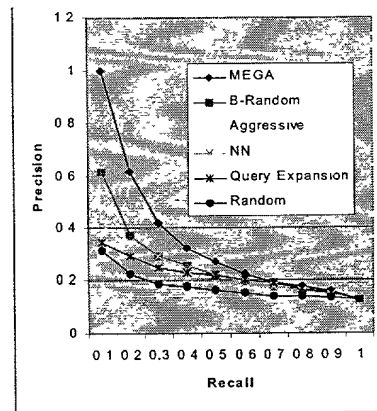


(b) *Complex Query*

Figure 6: Precision of Six Schemes at Recall = 50%.

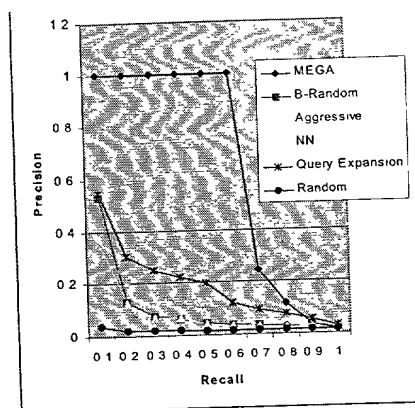


(a) $(P_1 \vee P_2) \wedge P_3$

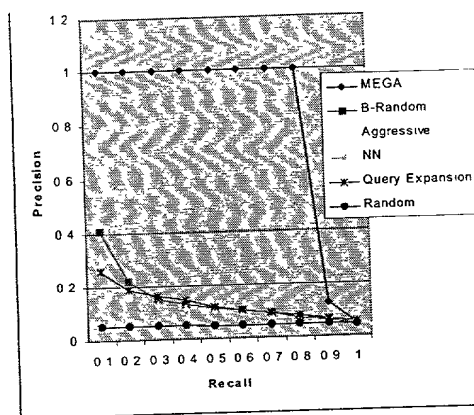


(b) Complex

Figure 7: Precision vs. Recall (20 Features).

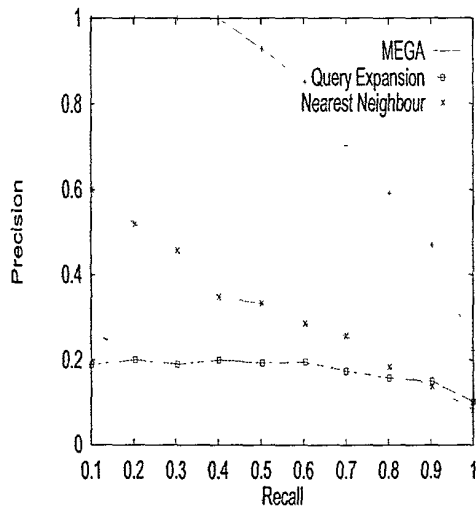


(a) $(P_1 \vee P_2) \wedge P_3$

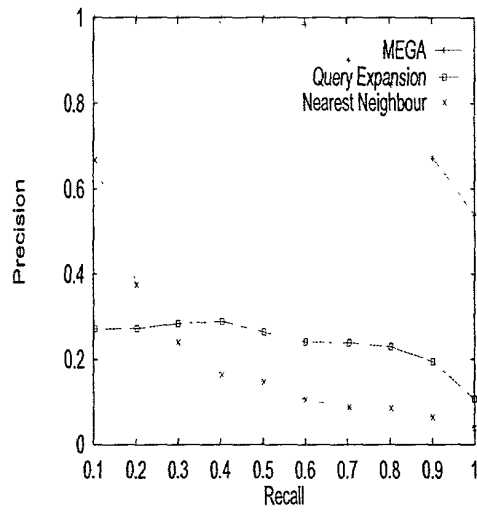


(b) Complex

Figure 8: Precision vs. Recall (30 Features).

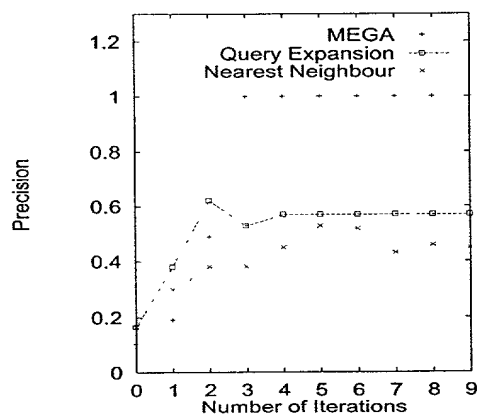


(a) $\alpha = 0.3$

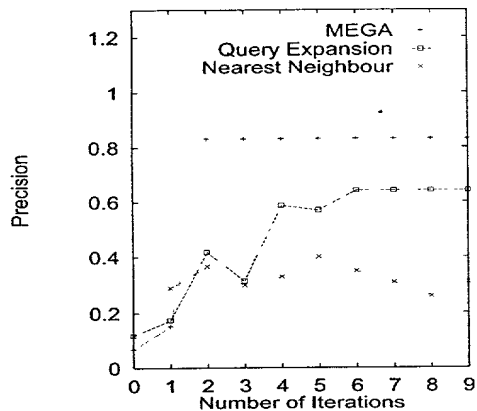


(b) $\alpha = 0.5$

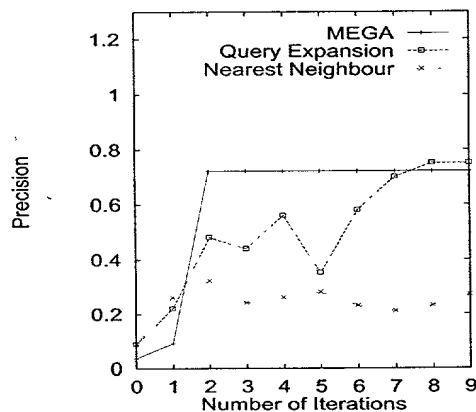
Figure 9: Recall vs. Precision (Model Bias Test).



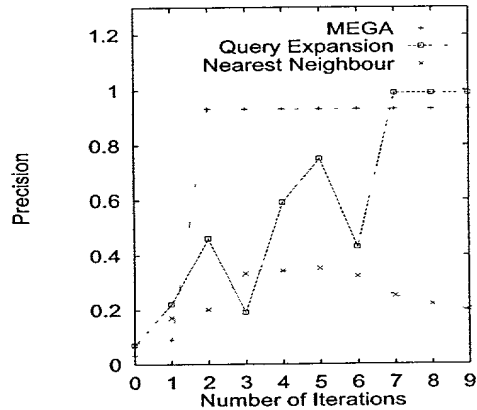
(a) $\alpha = 0(1.0)$



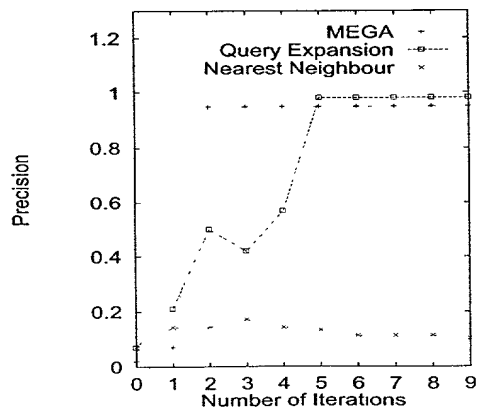
(b) $\alpha = 0.1(0.9)$



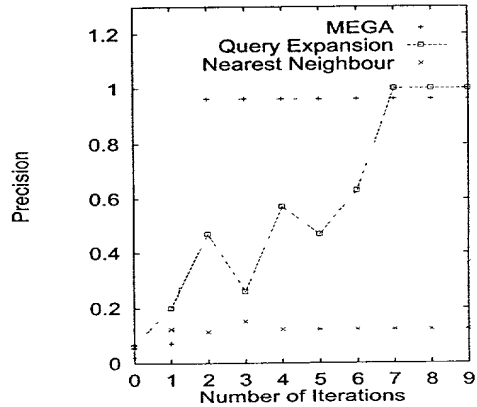
(c) $\alpha = 0.2(0.8)$



(d) $\alpha = 0.3(0.7)$

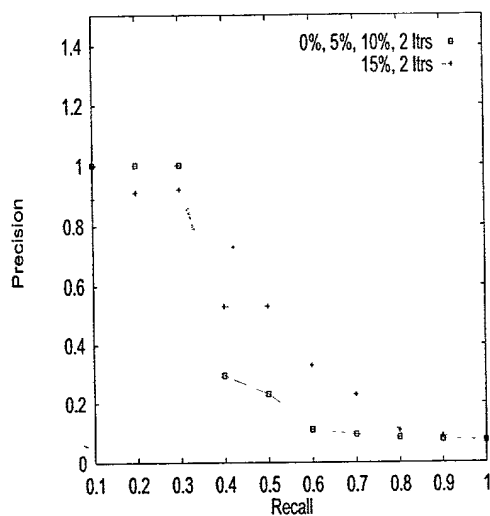


(e) $\alpha = 0.4(0.6)$

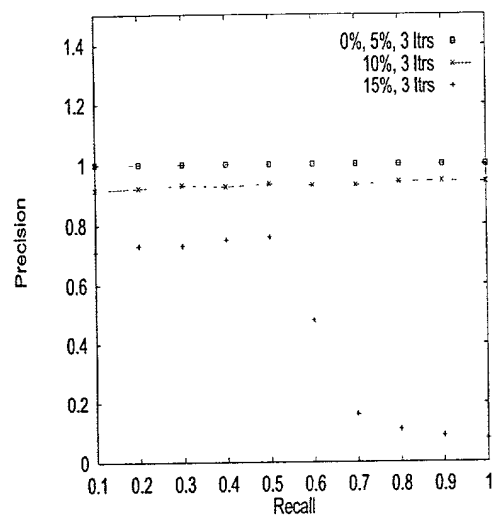


(f) $\alpha = 0.5$

Figure 10: The Effect of Different α 's.

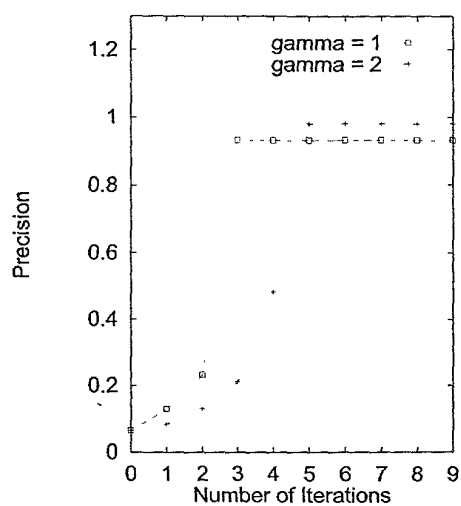


(a) Two Iterations

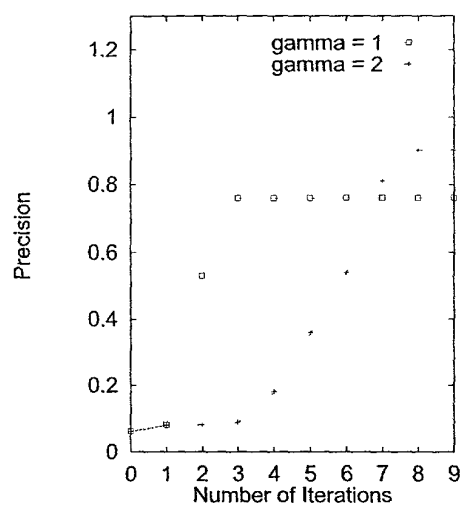


(b) Three Iterations

Figure 11: Precision/Recall Under 0%, 5%, 10% and 15% Noise.



(a) 10%



(b) 15%

Figure 12: Effects of Noise.

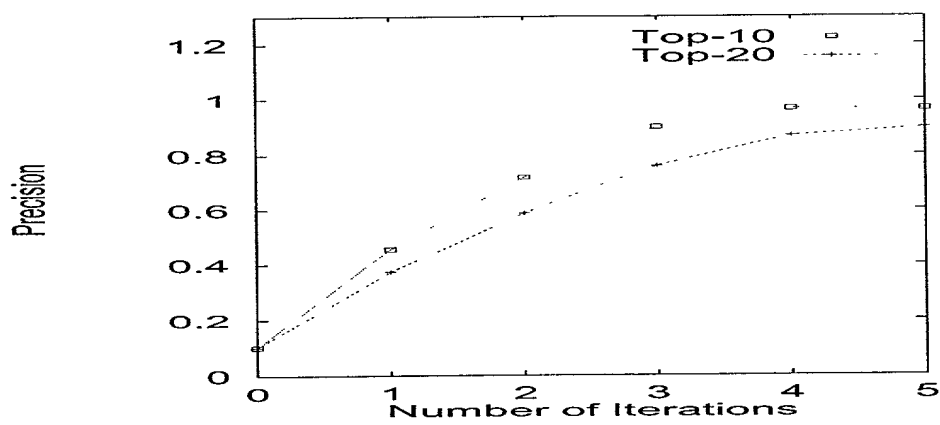


Figure 13: Average Precision of Top-10 and Top-20 Queries.